Author Index of Volume 55

Abenin, P. S., 1
Abubakar, A. B., 189
Andres, P., 149
Ayi, A. I., 13

Baasner, B., 215
Banks, R. E., 207
Beguin, C., 131
Bielefeldt, D., 149
Blokhin, A. V., 237
Bommelaer, J., 79
Booth, B. L., 189
Bratkova, A. A., 237
Brel, V. K., 237
Bürger, H., 323
Burton, D. J., 225

Cambon, A., 1, 79, 85
Chang-Ming Hu, 101, 105, 109, 113
Chatterjee, S., 283
Chen, G. J., 119
Chen, L. S., 93, 119
Condom, R., 13
Cook, M. I., 47

Desmarteau, D. D., 47
Doblhofer, K., 37
Dousek, F. P., 37

Eapen, K. C., 93

Fischer, R., 179
Frogier, P. R. T., 13

Gard, G. L., 313
Gassen, K. R., 149
Gibson, J. K., 299
Guedj, R., 13
Guennouni, F., 85
Guo-Ying Yang, 291

Hagen, T., 323
Hájek, M., 57
Hamel, N. N., 313
Hamman, S., 131
Hanack, M., 249

Johri, K. K., 271
Jun-ying Nie, 259

Kabore, L., 131
Kageyama, H., 335
Kavan, L., 37
Kimura, Y., 335
Kirk, K. L., 259
Klausener, A., 215
Kotora, M., 57
Koz'min, A. S., 237
Kratzer, R. H., 271
Kreutzberger, A., 137

Laurent, E., 131
Lewis, E. O., 221
Lin, W.-H., 271

MacNeil, J. G., Jr., 225
Marhold, A., 149
Markovski, L. N., 329
Marquet, B., 131
Martos-Alcaniz, M.-L., 13
Matthews, R. S., 163
Meazza, G., 199
Mews, R., 313
Ming-Hu Tu, 101, 105
Mohtasham, J., 313
Muller, A. J., 221
Mustapha, H. M., 63

Nakahara, J. H., 271
Nazaretian, V. P., 29
Nguyen, T., 241
Nickson, T. E., 169, 173

Paciorek, K. J. L., 271
Pascal, J.-L., 63
Pawelke, G. 323
Pustovit, Yu. M., 29

Qing-Yun Chen, 291

Rao, C. S., 229
Rao, P. L. K. M., 229
Rossman, D. I., 221
Rozhenko, A. B., 329

Sai, C. S. T., 229
Seng-Wen Wu, 291
Sharif, I., 207
Shermolovich, Y. G., 329
Slusarenko, Y. I., 329
Spuck, K., 137
Suzuki, H., 335
Szönyi, F., 1, 79, 85

Timoshenko, V. M., 329
Tipping, A. E., 179, 189
Tyurekhodzhaeva, M. A., 237

Ullmann, J., 249

Vijaya Kumar, V., 229

Wakselman, C., 241
Waterfeld, A., 313
Wilson, I. K., 283
Wolf, W., 283

Yao-Ling Qiu, 109, 113
Yoshida, Y., 335

Zanardi, G., 199
Zefirov, N. S., 237

Subject Index of Volume 55

Acetic acids
  configuration of esters derived from phenyl-substituted 2-fluoro-2-phenylacetic acids by F NMR, 131
Acrylic acid
  synthesis of α-fluoroacrylic acid and derivatives, 149
Addition
  of 1,2-dihaloperfluoroalkanes to alkenes initiated by dichlorobis(π-cyclopentadienyl)titanium and iron, 109
  of dimethylamino-bis(trifluoromethyl)borane at end of permanent multiple bonds: $N(CH_3)_2$ group as hydride source, 323
  of tetrachloromethane to trifluoroethene catalysed by Cu complexes, 57
AIDS
  synthesis of 3′-fluoro-3′-deoxythymidine and studies of its ^{18}F-radiolabelling as tracer for noninvasive monitoring of biodistribution of drugs against, 283
Alcohols
  perfluoro tertiary: synthesis of high molecular weight perfluorinated mono-ketones and tertiary alcohols, 119
Alkanes
  addition of 1,2-dihaloperfluoroalkanes to alkenes initiated by dichlorobis(π-cyclopentadienyl)titanium and iron, 109
  addition of tetrachloromethane to trifluoroethene catalysed by Cu complexes, 57
  catalytic hydrogen-transfer reduction of polyhalofluoroalkanes using sodium hypophosphite, 101
  condensation of chloroform with fluorinated olefins in basic medium, 241
  conversion of trifluoromethyl groups into nitrile functions during cyclization of hexafluoroiodoalkanes with sodium amide, 249
  procedure, new, for synthesis of alkyl perfluoroalkane-dithiocarboxylates, 329
  reduction of polyhalofluoroalkanes with formate to hydrogen-bearing alternatives initiated by CO_2 anionic radical, 105
  synthesis of 3-[2*F*-alkylethylamino]-1,2-epoxypropanes and preparation of new mono- and bitailed β-hydroxyl surfactants, 1
Alkenes, Olefins
  addition of 1,2-dihaloperfluoroalkanes to alkenes initiated by dichlorobis(π-cyclopentadienyl)titanium and iron, 109
  addition of tetrachloromethane to trifluoroethene catalysed by Cu complexes, 57
  chlorotrifluoroethylene-derived fluids; model compound synthesis, 271
  decomposition of perfluoro-(2,4,4,7,7,9-hexamethyl-3,8-dioxa-2,5,6,9-tetra-aza-dec-5-ene) in presence of fluoroalkenes, ethyne, benzene and nitroso compounds, 179
  electrochemical reductive carbonization of polymers derived from hexafluoropropene, 37
  fluorinated; condensation of chloroform with, in basic medium, 241
  halogen exchange reactions of perhalo-3-azaalkenes and their subsequent dehalogenation to form hetero-1,3-dienes, 47
Alkylation
  direct hydroperfluoro-, of ethyl propiolate with perfluoroalkyl iodides and bromides by Co/Zn bimetal redox system, 113
  radical fluoro-, of [1.1.1.]propellane, 237
Alkynes
  decomposition of perfluoro-(2,4,4,7,7,9-hexamethyl-3,8-dioxa-2,5,6,9-tetra-aza-dec-5-ene) in presence of fluoroalkenes, ethyne, benzene and nitroso compounds, 179
Amines
  methods, new, of preparation of 2-*F*-alkylethylamines, 85
Amino
  addition of dimethylamino-bis(trifluoromethyl)borane at end of

permanent multiple bonds: $N(CH_3)_2$ group as hydride source, 323
fluorinated amino acids and peptides: synthesis of 3,3-difluoro-2-amino acids, peptides and cyclodipeptides incorporating 3,3-difluoro-2-amino butyric acid or 3,3-difluorophenyl-alanine residues in their structures, 13
synthesis of 3-[2*F*-alkylethylamino]-1,2-epoxypropanes and preparation of new mono- and bitailed β-hydroxyl surfactants, 1
Aromatic compounds
aryl trifluoromethyl-1,2,3-triazoles, 199
configuration of esters derived from phenyl-substituted 2-fluoro-2-phenylacetic acids by F NMR, 131
decomposition of perfluoro-(2,4,4,7,7,9-hexamethyl-3,8-dioxa-2,5,6,9-tetra-aza-dec-5-ene) in presence of fluoro-alkenes, ethyne, benzene and nitroso compounds, 179
fluorinated amino acids and peptides: synthesis of 3,3-difluoro-2-amino acids, peptides and cyclodipeptides incorporating 3,3-difluoro-2-aminobutyric acid or 3,3-difluoro-phenylalanine residues in their structures, 13
F-19 NMR spectroscopy of polyhalo-naphthalenes: consideration of interring SCSs in polychloropolyfluoro-naphthalenes, 163
N-aryl-substituted 2,6-difluorobenzamidine, new, 137
synthesis of metabolites of 6-fluoro-DOPA, 259
tetraphenylphosphonium bromide-catalysed 'Halex' fluorination of chloroaryl sulphonyl chlorides, 335

Borane
addition of dimethylamino-bis(trifluoromethyl)borane at end of permanent multiple bonds: $N(CH_3)_2$ group as hydride source, 323
Bromine
direct hydroperfluoroalkylation of ethyl propiolate with perfluoroalkyl iodides and bromides by Co/Zn bimetal redox system, 113
tetraphenylphosphonium bromide-catalysed 'Halex' fluorination of chloroaryl sulphonyl chlorides, 335

Carbanions
formation and reactions of, from α-substituted perfluoracyl fluorides, 93
Carbonization
electrochemical reductive, of polymers derived from hexafluoropropene, 37
Carbonyl compounds
with SF_4; views, new, on fluorination of, 29
Carboxylates
procedure, new, for synthesis of alkyl perfluoroalkane-dithiocarboxylates, 329
Catalytic hydrogen-transfer reduction
of polyhalofluoroalkanes using sodium hypophosphite, 101
Chlorine
addition of 1,2-dihaloperfluoroalkanes to alkenes initiated by dichlorobis(π-cyclopentadienyl)titanium and iron, 109
addition of tetrachloromethane to trifluoroethene catalysed by Cu complexes, 57
chlorotrifluoroethylene-derived fluids: model compound synthesis, 271
condensation of chloroform with fluorinated olefins in basic medium, 241
F-19 NMR spectroscopy of polyhalo-naphthalenes: consideration of interring SCSs in polychloropolyfluoro-naphthalenes, 163
generation of trifluoromethylcopper from chlorodifluoroacetate, 225
searching for $Ti(CF_3SO_3)_4$: synthesis and structural analysis of compounds resulting from reactions of CF_3SO_3H with $TiCl_4$, $Ti(NO_3)_4$ and $Ti(ClO_4)_4$, of $NO_2CF_3SO_3$ with $TiCl_4$ and of $(CF_3SO_2)_2O$ with $Ti(OC_2H_5)_4$, 63
synthesis and mass spectroscopy of halide and oxide halide (F and Cl) vapour species of Tc, Ta and W, 299
tetraphenylphosphonium bromide-catalysed 'Halex' fluorination of chloroaryl sulphonyl chlorides, 335
CO_2
reduction of polyhalofluoroalkanes with formate to hydrogen-bearing alternatives initiated by CO_2 anionic radical, 105
Cobalt
direct hydroperfluoroakylation of ethyl propiolate with perfluoroalkyl iodides

and bromides by Co/Zn bimetal redox system, 113
Condensation
of chloroform with fluorinated olefins in basic medium, 241
Copper
addition of tetrachloromethane to trifluoroethene catalysed by Cu complexes, 57
electron-transfer induced trifluoromethylation with methyl fluorosulphonyldifluoroacetate, 291
generation of trifluoromethylcopper from chlorodifluoroacetate, 225
Cyclization
conversion of trifluoromethyl groups into nitrile functions during, of hexafluoroiodoalkanes with sodium amide, 249

Decomposition
of perfluoro-(2,4,4,7,7,9-hexamethyl-3,8-dioxa-2,5,6,9-tetra-azadec-5-ene) in presence of fluoroalkenes, ethyne, benzene and nitroso compounds, 179
Dehalogenation
halogen exchange reactions of perhalo-3-azaalkenes and their subsequent dehalogenation to form hetero-1,3-dienes, 47
Drugs
synthesis of 3′-fluoro-3′-deoxythymidine and studies of its ^{18}F-radiolabelling as tracer for noninvasive monitoring of biodistribution of, against AIDS, 283

Esters
configuration of, derived from phenyl-substituted 2-fluoro-2-phenylacetic acids by F NMR, 131
Cu electron-transfer induced trifluoromethylation with methyl fluorosulphonyldifluoroacetate, 291
generation of trifluoromethylcopper from chlorodifluoroacetate, 225
reduction of polyhalofluoroalkanes with formate to hydrogen-bearing alternatives initiated by CO_2 anionic radical, 105
Ethyl propiolate
direct hydroperfluoroalkylation of, with perfluoroalkyl iodides and bromides by Co/Zn bimetal redox system, 113

Fluorides

Distribution of, in drinking water sources in Medchal Block, Ranga Reddy District, Andhra Pradesh, India, 229
Fluorinations with SF_4 and HF:
preparation of trifluoromethylated thiazoles and isothiazoles, 173
reactor design for safe, routine handling of SF_4 and HF, 169
Polyfluoro and perfluoroalkoxy sulphonyl fluorides, new: fluorination studies, 313

tetra-

Views, new, on fluorination of carbonyl compounds with SF_4, 29

per-

Formation and reactions of carbanions from α-substituted perfluoroacyl fluorides, 93

Fluorination(s)

N-halogeno compounds: *N*-fluoroquinuclidinium salts – synthesis and use as electrophilic fluorinating agents, 207
Polyfluoro and pefluoroalkoxy sulphonyl fluorides, new: fluorination studies, 313
With SF_4 and HF:
preparation of trifluoromethylated thiazoles and isothiazoles, 173
reactor design for safe, routine handling of SF_4 and HF, 169
Tetraphenylphosphonium bromide-catalysed 'Halex', of chloroaryl sulphonyl chlorides, 335
Views, new, on, of carbonyl compounds with SF_4, 29

Fluorine

Configuration of esters derived from phenyl-substituted 2-fluoro-2-phenylacetic acids by F NMR, 131
F-19 NMR spectroscopy of polyhalonaphthalenes: consideration of inter-ring SCSs in polychloropolyfluoronaphthalenes, 163
Synthesis of 3′-fluoro-3′-deoxythymidine and studies of its ^{18}F-radiolabelling as tracer for noninvasive monitoring of

biodistribution of drugs against AIDS, 283
Synthesis and mass spectroscopy of halide and oxide halide (F and Cl) vapour species of Tc, Ta and W, 299

Fluoro-compounds

Catalytic hydrogen-transfer reduction of polyhalofluoroalkanes using sodium hypophosphite, 101
Condensation of chloroform with fluorinated olefins in basic medium, 241
Configuration of esters derived from phenyl-substituted 2-fluoro-2-phenylacetic acids by F NMR, 131
Conversion of trifluoromethyl groups into nitrile functions during cyclization of hexafluoroiodoalkanes with sodium amide, 249
Cu electron-transfer induced trifluoromethylation with methyl fluorosulphonyldifluoroacetate, 291
Decomposition of perfluoro-(2,4,4,7,7,9-hexamethyl-3,8-dioxa-2,5,6,9-tetra-azadec-5-ene) in presence of fluoroalkenes, ethyne, benzene and nitroso compounds, 179
Fluorinated halomethyl isoxazoles, new, 215
Generation of trifluoromethylcopper from chlorodifluoroacetate, 225
Methods, new, of preparation of 2-*F*-alkylethylamines, 85
N-halogeno compounds: *N*-fluoroquinuclidinium salts — synthesis and use as electrophilic fluorinating agents, 207
Radical fluoroalkylation of [1.1.1]propellane, 237
Reduction of polyhalofluoroalkanes with formate to hydrogen-bearing alternatives initiated by CO_2 anionic radical, 105
Searching for $Ti(CF_3SO_3)_4$: synthesis and structural analysis of compounds resulting from reactions of CF_3SO_3H with $TiCl_4$, $Ti(NO_3)_4$ and $Ti(ClO_4)_4$, of $NO_2CF_3SO_3$ with $TiCl_4$ and of $(CF_3SO_2)_2O$ with $Ti(OC_2H_5)_4$, 63
Synthesis:
of 3-[2*F*-alkylethylamino]-1,2-epoxypropanes and preparation of new mono- and bitailed β-hydroxyl surfactants, 1
of *F*-alkyl silanes, new, derived from non-ionic *F*-alkyl surfactants, 79
of α-fluoroacrylic acid and derivatives, 149
of 3′-fluoro-3′-deoxythymidine and studies of its ^{18}F-radiolabelling as tracer for noninvasive monitoring of biodistribution of drugs against AIDS, 283
of metabolites of 6-fluoro-DOPA, 259

di-

Fluorinated amino acids and peptides: synthesis of 3,3-difluoro-2-amino acids, peptides and cyclodipeptides incorporating 3,3-difluoro-2-aminobutyric acid or 3,3-difluorophenylalanine residues in their structures, 13
N-aryl-substituted 2,6-difluorobenzamidine, new, 137

tri-

Addition of dimethylaminobis(trifluoromethyl)borane at end of permanent multiple bonds: $N(CH_3)_2$ group as hydride source, 323
Addition of tetrachloromethane to trifluoroethene catalysed by Cu complexes, 57
Aryl trifluoromethyl-1,2,3-triazoles, 199
Chlorotrifluoroethylene-derived fluids: model compound synthesis, 271
Fluorinations with SF_4 and HF: preparation of trifluoromethylated thiazoles and isothiazoles, 173
Reaction of 2-lithio-3,4-bis(trifluoromethyl)furan with electrophiles, 189

hexa-

Electrochemical reductive carbonization of polymers derived from hexafluoropropene, 37

poly-

F-19 NMR spectroscopy of polyhalonaphthalenes: consideration of inter-ring SCSs in polychloropolyfluoronaphthalenes, 163

per-

Addition of 1,2-diahaloperfluoroalkanes to alkenes initiated by dichlorobis(π-cyclopentadienyl)titanium and iron, 109
Chemistry, some new, of perfluoro-t-butylsilver, 221
Direct hydroperfluoroalkylation of ethyl propiolate with perfluoroalkyl iodides

and bromides by Co/Zn bimetal redox system, 113
Perfluoro tertiary alcohols: synthesis of high molecular weight perfluorinated mono-ketones and tertiary alcohols, 119
Procedure, new, for synthesis of alkyl perfluoroalkane-dithiocarboxylates, 329

Furan
reaction of 2-lithio-3,4-bis(trifluoromethyl)furan with electrophiles, 189

Halide
synthesis and mass spectroscopy of halide and oxide halide (F and Cl) vapour species of Tc, Ta and W, 299
Halo-compounds
addition of 1,2-dihaloperfluoroalkanes to alkenes initiated by dichlorobis(π-cyclopentadienyl)titanium and iron, 109
catalytic hydrogen-transfer reduction of polyhalofluoroalkanes using sodium hypophosphite, 101
fluorinated halomethyl isoxazoles, new, 215
F-19 NMR spectroscopy of polyhalonaphthalenes: consideration of interring SCSs in polychloropolyfluoronaphthalenes, 163
halogen exchange reactions of perhalo-3-azaalkenes and their subsequent dehalogenation to form hetero-1,3-dienes, 47
reduction of polyhalofluoroalkanes with formate to hydrogen-bearing alternatives initiated by CO_2 anionic radical, 105
Halogeno-compounds
N-: *N*-fluoroquinuclidinium salts — synthesis and use as electrophilic fluorinating agents, 207

India
distribution of fluoride in drinking water sources in Medchal Block, Ranga Reddy District, Andhra Pradesh, India, 229
Iodine
conversion of trifluoromethyl groups into nitrile functions during cyclization of hexafluoroiodoalkanes with sodium amide, 249
direct hydroperfluoroalkylation of ethyl propiolate with perfluoroalkyl iodides and bromides by Co/Zn bimetal redox system, 113
Iron
addition of 1,2-dihaloperfluoroalkanes to alkenes initiated by dichlorobis(π-cyclopentadienyl)titanium and iron, 109
Isoxazoles
fluorinated halomethyl, new, 215

Ketones
perfluoro tertiary alcohols: synthesis of high molecular weight perfluorinated mono-ketones and tertiary alcohols, 119

Lithium
reaction of 2-lithio-3,4-bis(trifluoromethyl)furan with electrophiles, 189

Metabolites
synthesis of, of 6-fluoro-DOPA, 259
Methylation
Cu electron-transfer induced trifluoro-, with methyl fluorosulphonyldifluoroacetate, 291

Olefins: see Alkenes

Peptides
fluorinated amino acids and peptides: synthesis of 3,3-difluoro-2-amino acids, peptides and cyclodipeptides incorporating 3,3-difluoro-2-aminobutyric acid or 3,3-difluorophenylalanine residues in their structures, 13
Polymers
electrochemical reductive carbonization of, derived from hexafluoropropene, 37
Propellane
radical fluoroalkylation of [1.1.1]propellane, 237

Radiolabelling
synthesis of 3'-fluoro-3'-deoxythymidine and studies of its ^{18}F-radiolabelling as tracer for noninvasive monitoring

of biodistribution of drugs against AIDS, 283
Reactor design
for safe, routine handling of SF_4 and HF: fluorinations with SF_4 and HF, 169
Reduction
catalytic hydrogen-transfer, of polyhalofluoroalkanes using sodium hypophosphite, 101
of polyhalofluoroalkanes with formate to hydrogen-bearing alternatives initiated by CO_2 anionic radical, 105

Silanes
synthesis of new *F*-alkyl silanes derived from non-ionic *F*-alkyl surfactants, 79
Silver
some new chemistry of perfluoro-t-butylsilver, 221
Sodium
catalytic hydrogen-transfer reduction of polyhalofluoroalkanes using sodium hypophosphite, 101
conversion of trifluoromethyl groups into nitrile functions during cyclization of hexafluoroiodoalkanes with sodium-amide, 249
Spectroscopy
configuration of esters derived from phenyl-substituted 2-fluoro-2-phenylacetic acids by F NMR, 131
F-19 NMR spectroscopy of polyhalonaphthalenes: consideration of inter-ring SCSs in polychloropolyfluoronaphthalenes, 163
synthesis and mass spectroscopy of halide and oxide halide (F and Cl) vapour species of Tc, Ta and W, 299
Structural analysis
and synthesis of compounds resulting from reactions of CF_3SO_3H with $TiCl_4$, $Ti(NO_3)_4$ and $Ti(ClO_4)_4$, of $NO_2CF_3SO_3$ with $TiCl_4$ and of $(CF_3SO_2)_2O$ with $Ti(OC_2H_5)_4$; searching for $Ti(CF_3SO_3)_4$, 63
Sulphur
Cu electron-transfer induced trifluoromethylation with methyl fluorosulphonyldifluoroacetate, 291
fluorinations with SF_4 and HF:
preparation of trifluoromethylated thiazoles and isothiazoles, 173
reactor design for safe, routine handling of SF_4 and HF, 169
polyfluoro and pefluoroalkoxy sulphonyl fluorides, new: fluorination studies, 313
procedure, new, for synthesis of alkyl perfluoroalkane-dithiocarboxylates, 329
searching for $Ti(CF_3SO_3)_4$: synthesis and structural analysis of compounds resulting from reactions of CF_3SO_3H with $TiCl_4$, $Ti(NO_3)_4$ and $Ti(ClO_4)_4$, of $NO_2CF_3SO_3$ with $TiCl_4$ and of $(CF_3SO_2)_2O$ with $Ti(OC_2H_5)_4$, 63
tetraphenylphosphonium bromide-catalysed 'Halex' fluorination of chloroaryl sulphonyl chlorides, 335
views, new, on fluorination of carbonyl compounds with SF_4, 29
Surfactants
synthesis of 3-[2*F*-alkylethylamino]-1,2-epoxypropanes and preparation of new mono- and bitailed β-hydroxyl surfactants, 1
synthesis of new *F*-alkyl silanes derived from non-ionic *F*-alkyl surfactants, 79

Tantalum
synthesis and mass spectroscopy of halide and oxide halide (F and Cl) vapour species of Tc, Ta and W, 299
Technetium
synthesis and mass spectroscopy of halide and oxide halide (F and Cl) vapour species of Tc, Ta and W, 299
Thymidine
synthesis of 3′-fluoro-3′-deoxythymidine and studies of its ^{18}F-radiolabelling as tracer for noninvasive monitoring of biodistribution of drugs against AIDS, 283
Titanium
addition of 1,2-dihaloperfluoroalkanes to alkenes initiated by dichlorobis(π-cyclopentadienyl)titanium and iron, 109
searching for $Ti(CF_3SO_3)_4$: synthesis and structural analysis of compounds resulting from reactions of CF_3SO_3H with $TiCl_4$, $Ti(NO_3)_4$ and $Ti(ClO_4)_4$, of $NO_2CF_3SO_3$ with $TiCl_4$ and of $(CF_3SO_2)_2O$ with $Ti(OC_2H_5)_4$, 63
Tungsten
synthesis and mass spectroscopy of halide and oxide halide (F and Cl) vapour species of Tc, Ta and W, 299

Water sources
distribution of fluoride in drinking water sources in Medchal Block, Ranga Reddy District, Andhra Pradesh, India, 229

Zinc
direct hydroperfluoroalkylation of ethyl propiolate with perfluoroalkyl iodides and bromides by Co/Zn bimetal redox system, 113